

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
3 October 2002 (03.10.2002)

PCT

(10) International Publication Number  
**WO 2002/076311 A3**

(51) International Patent Classification<sup>7</sup>: **A61B 17/34**,  
19/00

T.; 2877 Keasler Circle, West, Germantown, TN 38139  
(US). SMITH, Maurice; 9285 Oak Knoll Cove, Cordova,  
TN 38018 (US).

(21) International Application Number:  
PCT/US2002/008068

(74) Agents: WARMBOLD, David, A. et al.; Medtronic So-  
famor Danek, 710 Medtronic Parkway LC340, Minneapo-  
lis, MN 55432 (US).

(22) International Filing Date: 18 March 2002 (18.03.2002)

(25) Filing Language: English

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,  
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,  
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,  
MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG,  
SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN,  
YU, ZA, ZM, ZW.

(26) Publication Language: English

(30) Priority Data:  
09/815,693 23 March 2001 (23.03.2001) US

(84) Designated States (*regional*): ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR,

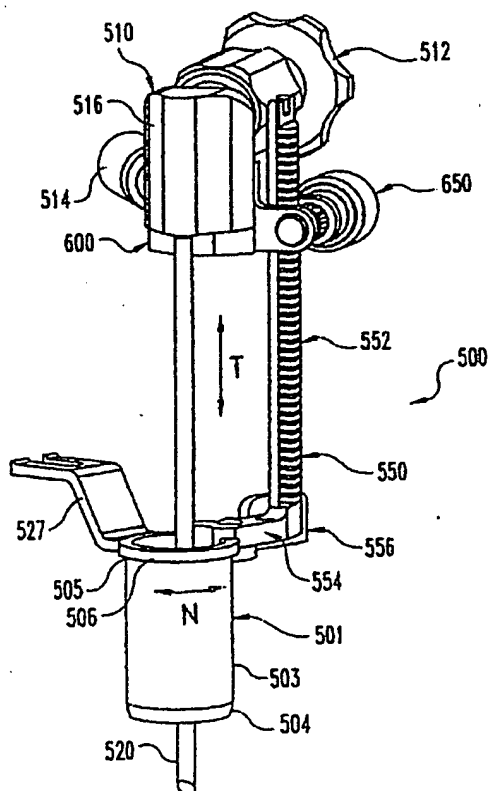
(71) Applicant: SDGI HOLDINGS, INC. [US/US]; 300  
Delaware Avenue Suite 508, Wilmington, DE 19801 (US).

(72) Inventors: ROEHM, Thomas, E., III; 410 Highway 59,  
Braden, TN 38010 (US). NULL, William, B.; 5827 Eagle-  
ston Drive, Olive Branch, MS 38665 (US). FOLEY, Kevin,

[Continued on next page]

(54) Title: DEVICES AND METHODS FOR PERCUTANEOUS SURGERY

(57) Abstract: Methods and devices for performing surgery in a patient are provided. A cannula provides a working channel for access to a location in the patient. A clamp assembly is removably engaged to the cannula. The clamp assembly allows use of an endoscopic viewing system or can be removed to allow use of a microscopic viewing system in order to view the surgical site in the patient through the working channel. The clamp assembly includes a viewing element mounting portion having a length along which an endoscopic viewing element can be selectively positioned.



WO 2002/076311 A3



GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent  
(BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,  
NE, SN, TD, TG).

(88) Date of publication of the international search report:  
26 February 2004

**Published:**

— with international search report

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette*